

PATENT COOPERATION TREATY

RECEIVED 17 NOV 2003

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT 21 OCT 2004

To: Agent :

Davies Collison Cave
PO Box 2219
MILTON BUSINESS CENTRE QLD
4064

NOTIFICATION OF RECEIPT OF DEMAND BY COMPETENT INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

(PCT Rule 59.3(e) and 61.1(b), first sentence
and Administrative Instructions, Section 601(a))

Date of mailing 14 NOV 2003
(day/month/year) (14/11/03)

Applicant's or agent's file reference
12176212/VPA

IMPORTANT NOTIFICATION

International application No.
PCT/AU03/00454

International filing date (day/month/year)
16 APR 2003 (16/4/03)

Priority date (day/month/year)
22 APR 2002 (22/4/02)

Applicant

Queensland University of Technology (et al.)

1. The applicant is hereby **notified** that this International Preliminary Examining Authority considers the following date as the date of receipt of the demand for international preliminary examination of the international application:

10 NOV 2003 (10/11/03)

2. That date of receipt is:



the actual date of receipt of the demand by this Authority (Rule 61.1(b)).



the actual date of receipt of the demand on behalf of this Authority (Rule 59.3(e)).



the date on which this Authority has, in response to the Invitation to correct defects in the demand (Form PCT/IPEA/404), received the required corrections.

3. ☐ **Attention:** That date of receipt is **after** the expiration of 19 months from the priority date. Consequently, in respect of some Offices, the demand does not have the effect of postponing the entry into the national phase until 30 months from the priority date (or later in some Offices) (Article 39(1)) and the acts for entry into the national phase must therefore be performed within 20 months from the priority date (or later in some Offices). **However**, in respect of some other Offices, the time limit of 30 months (or later) may nevertheless apply. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.



(If applicable) This notification confirms the information given by telephone, facsimile transmission or in person on:

4. Only where paragraph 3 applies, a copy of this notification has been sent to the International Bureau.

Name and mailing address of the IPEA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail: pct@ipaustralia.gov.au
Facsimile No. 02 6285 3929

Authorized officer

IVY REYES

Telephone No.

(02) 6283 2360

(19) World Intellectual Property Organization
International Bureau



21 OCT 2004



(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 03/089932 A1

(51) International Patent Classification²: G01N 33/574, C12N 15/12, C12Q 1/25

(21) International Application Number: PCT/AU03/00454

(22) International Filing Date: 16 April 2003 (16.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PS 1870 22 April 2002 (22.04.2002) AU

(71) Applicant (*for all designated States except US*):
QUEENSLAND UNIVERSITY OF TECHNOLOGY [AU/AU]; 2 George Street, Brisbane, Queensland 4000 (AU).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): CLEMENTS, Judith, Ann [AU/AU]; 48 Creswick Street, Clayfield, Queensland 4011 (AU).

(74) Agents: ARGAET, Victor, Peter et al.; Davies Collison Cave, Level 3, 303 Coronation Drive, Milton, Queensland 4064 (AU).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR DETECTING THE PRESENCE OR RISK OF PROSTATE CANCER BY DETECTING PRODUCTS OF PSA OR KLK2

(57) Abstract: The present invention discloses a method for detecting the presence or diagnosing the risk of cancer, especially prostate cancer, either before or after the onset of clinical symptoms, by detecting a level or functional activity of an aberrant expression product of a gene selected from *PSA* or *KLK2*, which correlates with the presence or risk of the cancer. The invention further encompasses the use of agents that modulate the level or functional activity of such an aberrant expression product for treating or preventing cancer, especially prostate cancer.

WO 03/089932 A1

